

Application No. 10/562,517
Responsive to Office Action dated August 22, 2008
Paper Dated February 19, 2009
Attorney Docket No. 4400-053057

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A nutritional composition for treatment of impaired or inadequate energy production or dysfunctional energy metabolism in a mammal consisting essentially of comprising L-carnitine, acetyl-L-carnitine, pantothenate and niacinamide.
2. (Previously Presented) The composition of Claim 1, wherein said L-carnitine, acetyl-L-carnitine, pantothenate and niacinamide are present in said composition in a ratio of about 1: 0.1-2: 0.01-0.5: 0.01-0.5.
3. (Previously Presented) The nutritional composition of Claim 1, further comprising a preservative.
4. (Previously Presented) The nutritional composition of Claim 1, in an aqueous solution.
5. (Previously Presented) The nutritional composition of Claim 4, wherein the concentration of each ingredient in the aqueous solution is: L-carnitine .0005 to 500 mg/ml, acetyl-L-carnitine .0005 to 500 mg/ml, pantothenate .000005 to 10 mg/ml and niacinamide .000005 to 20 mg/ml.
6. (Previously Presented) The nutritional composition of Claim 1, in a concentrate.
7. (Previously Presented) The nutritional composition of Claim 1, in a soft drink.
8. (Previously Presented) The nutritional composition of Claim 1, in a gel cap.

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9. (Cancelled).

10. (Currently Amended) A method of treating impaired or inadequate energy metabolism or dysfunctional energy metabolism in a mammal comprising administering an effective amount of a composition consisting essentially of ~~comprising~~ L-carnitine, acetyl-L-carnitine, pantothenate and niacinamide to a mammal in need of such treatment.

11. (Cancelled).

12. (Previously Presented) The method of Claim 10, wherein said composition further comprises a preservative.

13. (Cancelled).

14. (Previously Presented) The method of Claim 10, wherein said dysfunctional energy metabolism comprises cardiomyopathy.

15. (Previously Presented) The method of Claim 10, wherein said dysfunctional energy metabolism comprises seizures.

16. (Previously Presented) The method of Claim 10, wherein said administration is oral.

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17. (Previously Presented) The method of Claim 10, wherein said administration is parenteral.

18. (Currently Amended) The method of Claim 10, wherein said effective amount is about 0.1-20 mg per kg of said mammal ~~mg/kg~~ L-carnitine, about 0.01-20 mg per kg of said mammal ~~mg/kg~~ acetyl-L-carnitine, about 0.01-1.0 mg per kg of said mammal ~~mg/kg~~ pantothenate and about 0.01-1.0 mg per kg of said mammal ~~mg/kg~~ niacinamide per day.